

Seed Banks for Biodiversity Conservation

Biology · Answer Key · 10 Questions

1. What is the primary reason wild plants in nature are endangered?

- A) Overpopulation of herbivores
- B) Destruction of habitats and climate change**
- C) Lack of sunlight
- D) Pesticide overuse

2. How can seed banks help prevent the extinction of endangered plants?

- A) By providing them with more water
- B) By storing their seeds**
- C) By moving them to new environments
- D) By increasing their genetic mutation rate

3. Which of the following is NOT a use of seeds stored in seed banks?

- A) Re-establish endangered plants
- B) Rehabilitate damaged habitats
- C) Cultivate plants that are overexploited
- D) Increase atmospheric pollution**

4. Seed banks can be used to cultivate new hybrids that are harder and more resistant to what?

- A) Drought
- B) Heat
- C) Disease**
- D) Pests

5. What does the text state is essential for food security and ecological well-being?

- A) Increased industrialization
- B) The protection of plant diversity**
- C) More artificial fertilizers
- D) Reduced rainfall

6. If seeds of endangered plants are stored in a seed bank, what will NOT happen to them?

- A) They will not die out
- B) They can be used to re-establish them
- C) They will become extinct**
- D) Their diversity will be maintained

7. Conserving endemic species is one of the benefits of using seed banks. What is an endemic species?

- A) A plant that is very common
- B) A plant that lives in many different regions
- C) A plant found only in a specific geographic area**
- D) A plant that has been genetically modified

8. The text mentions that seed banks can help rehabilitate damaged or destroyed habitats. This implies that seeds can be used for:

- A) Creating new cities
- B) Restoring ecosystems**
- C) Building roads
- D) Mining for resources

9. What is the main purpose of a seed bank according to the text?

- A) To grow food for immediate consumption
- B) To store seeds for future use and conservation**
- C) To sell rare plant species
- D) To conduct experiments on plant growth

10. The text highlights the role of seed banks in maintaining:

- A) Animal populations
- B) Fungal diversity
- C) Plant diversity**
- D) Microbial life